

## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:
F16B 13/06, 17/00, E04B 2/82

A1

(11) International Publication Number: WO 99/47819

(43) International Publication Date: 23 September 1999 (23.09.99)

(21) International Application Number: PCT/AU99/00185
(22) International Filing Date: 18 March 1999 (18.03.99)

(30) Priority Data:
PP 2477 18 March 1998 (18.03.98) AU

(71)(72) Applicant and Inventor: <u>RUDDUCK</u>, <u>Dickory</u> [AU/AU]; 81 Castle Circuit, <u>Seaforth</u>, NSW 2093 (AU).

(74) Agents: MOORE CHRYSILIOU, Kerry et al.; Chrysiliou Moore Martin, CMC Contre, 143 Sydney Road, Fairlight, Sydney, NSW 2094 (AU).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SI, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NB, SN, TD, TG).

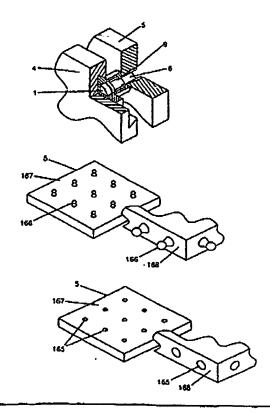
Published

With International search report.

(54) Title: FIXING AND RELEASE SYSTEMS

## (57) Abstract

A connecting means adapted to fix or release a first element (4) and a second element (5) includes a locking pin (1) which is moveable by remote activation means between a locked position, in which leg (3) expands wall (9) into recess (10), and an unlocked position. The remote activation means may be magnetic, electro-magnetic or any other suitable means. A method of fixing or releasing first and second elements by remote activation means is also disclosed. The invention further provides a first element having first means (166) adapted to cooperate with second elements. A method of manufacturing the first element includes the steps of depositing discrete amounts of setable material on a surface of the first element and inverting the element to permit the material to set under the influence of gravity. A method of reducing the spacing between first and second elements by remote activation means is also disclosed.



## FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

1.			•				• • • • • • • • • • • • • • • • • • • •
AL AM AT AZ BA BB BB BB BC CG CH CCU CCU CDE DK ER	Albania Armenia Austria Austria Australia Australia Bosnia and Herzegovina Barbados Belgium Butkins Faso Bulgania Benin Benzil Beliants Canada Contral African Republic Congo Switzertand Côto d'Ivoire Carmetoon Chiaa Cuba Cuba Cormany Dennark Estonia	es France Central Intervention of the Control of th	Spain Finland France Cabon Usked Kingdom Georgia Chama Guinca Greece Hongary Ireland Israel Ioaland Israel Ioaland Israel Foople's Republic of Korea	LS LT LU LV MC MG MG MK ML MN MR MW MX NE NL NO NZ FL PT RO SE SG	Lesotho Lithuania Lucembourg Listvia Monaco Republic of Moldova Mindagascar The former Yugoslav Republic of Macedonia Mallavi Mongolia Mauritania Malawi Mexico Niger Netherlands Norway New Zoaland Poland Powagal Romania Ristsian Federation Sodao Sweden Singapore	SI SK SN SZ TD TG TT TR TT UG US UZ VN YU ZW	Slovenia Slovakia Senegal Swazziand Chad Togo Tajikistan Turkny Trinidad and Tohago Ultraine Uganda United Scares of America Uzbekistan Vist Nam Yagoslavia Zimhabwe